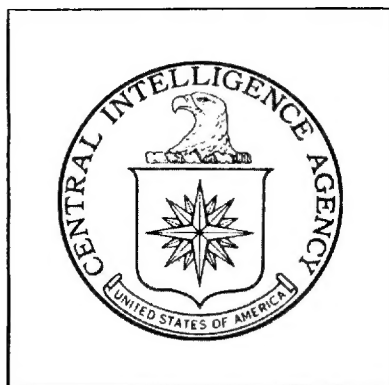


Top Secret



DIRECTORATE OF
INTELLIGENCE

Industrial Facilities
(Non-Military)

Basic Imagery Interpretation Report

Major Electric Power Plants

Hopeh Province, China

Top Secret

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CENTRAL INTELLIGENCE AGENCY
Directorate of Intelligence
Imagery Analysis Service

ABSTRACT

This report updates the previous basic reporting on six of the major electric power plants in Hopeh Province, northern China. It also includes initial basic reports on two additional plants, the Cheng-te and Chun-liang-cheng Thermal Power Plants.

Cheng-te Thermal Power Plant Shuang-tou-shan was partially complete in [REDACTED] and it appeared complete in [REDACTED]. Chun-liang-cheng Thermal Power Plant was complete when it was observed in [REDACTED].

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25X1D

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INTRODUCTION

This report covers eight of the major electric power plants in Hopeh Province (see Figure 1).

1. Cheng-te Thermal Power Plant Shuang-tou-shan.
2. Chun-liang-cheng Thermal Power Plant.
3. [REDACTED]
4. Mi-yun Hydro Power Plant and Dam No. 1.

Requirement

COMIREX N05
Support Number 422782

Document

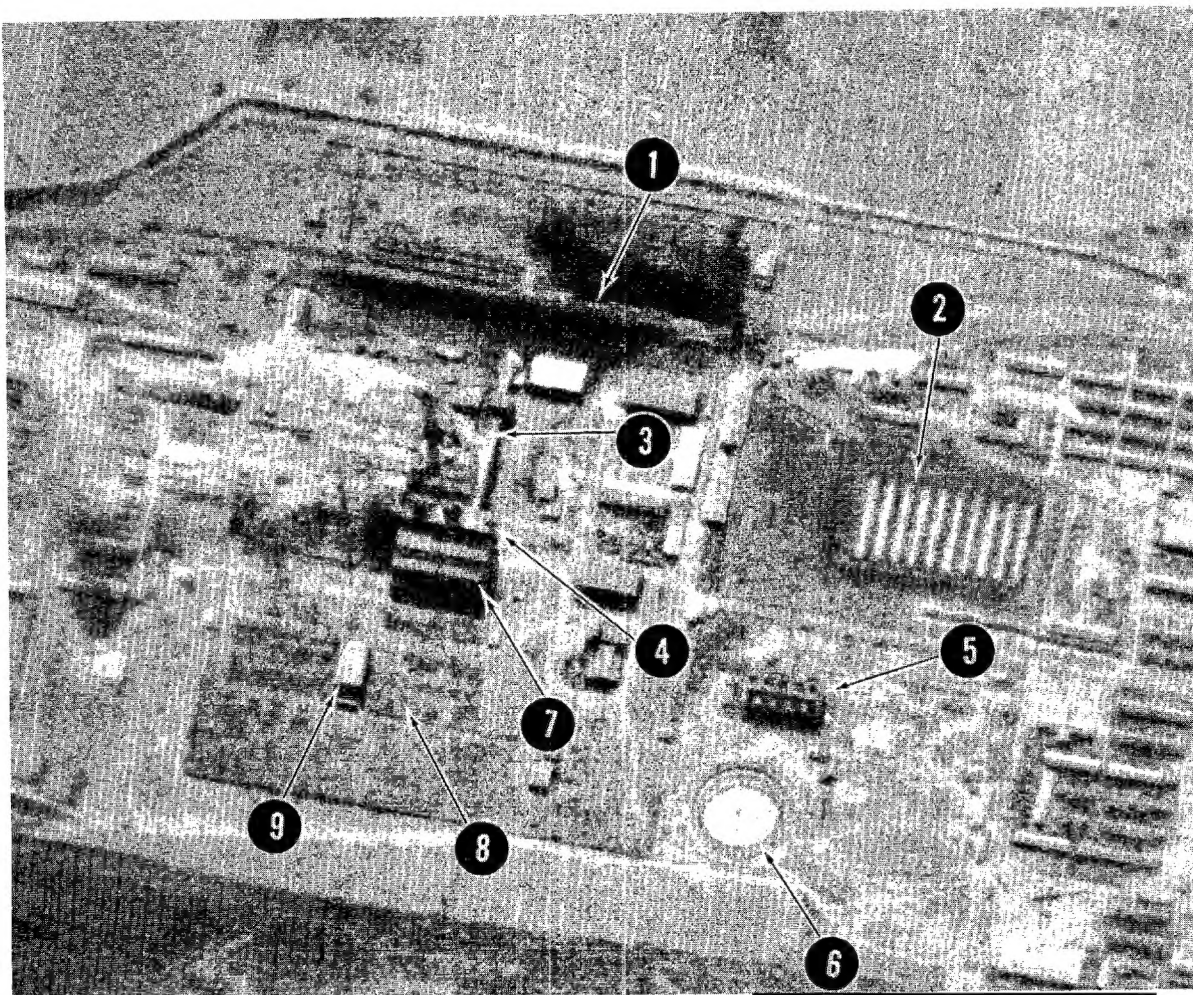


FIGURE 2. CHENG-TE THERMAL POWER PLANT, CHINA, [REDACTED]

25X1D

Key to Annotations		
Item No.	Description	Measurements (ft)
1	Coal storage area	--
2	Spray pond	--
3	Coal handling/processing facility	--
4	Boilerhouse	180 x 90
5	Induced-draft cooling unit	150 x 100
6	Probable cooling tower u/c	100 (diam)
7	Generator hall	180 x 120
8	Switching yard	--
9	Control house	130 x 60

INSTALLATION OR ACTIVITY NAME		COUNTRY
Cheng-te Thermal Power Plant Shuang-tou-shan		CH
25X1A	UTM COORDINATES 50TNL638325	GEOGRAPHIC COORDINATES 40-57-08N 117-44-36E
MAP REFERENCE		
25X1C	USATC, Series 200, Sheet M0289-17HI, 2nd ed. Apr 65. Scale 1:200,000	
25X1C	(SECRET/No Foreign Dissem)	
LATEST IMAGERY USED		NEGATION DATE (if required)
25X1D		NA

BASIC DESCRIPTION

Cheng-te Thermal Power Plant Shuang-tou-shan is located about 8 nm west-southwest of Cheng-te, China. It is rail and road served.

25X1D On photography in [REDACTED] the plant consisted of a boilerhouse, a generator hall, a large stack, a control house, a switching yard, a spray pond, an induced-draft cooling unit, a coal storage area, a coal processing and handling facility, and a probable cooling tower under construction. The boilerhouse probably contains two boilers. The position of the stack in relation to the large boilerhouse indicates that the plant could be expanded (see Figure 2).

25X1D The plant was under construction when it was observed in [REDACTED]. It consisted of one boiler unit and a corresponding generator hall section. An open ditch connected the generator hall with the spray pond. Although no coal was seen, the coal handling/processing system appeared complete. Foundations for the induced-draft cooling unit were also observed. In

25X1D [REDACTED] the plant was complete and operating. Smoke was coming from the stack and the spray pond was operating. The induced-draft cooling unit appeared complete, but no vapor was seen coming from the unit.

25X1D The plant was operating in [REDACTED] and on all subsequent coverages
25X1D through [REDACTED] as indicated by smoke issuing from the stack and the operation of the spray pond.

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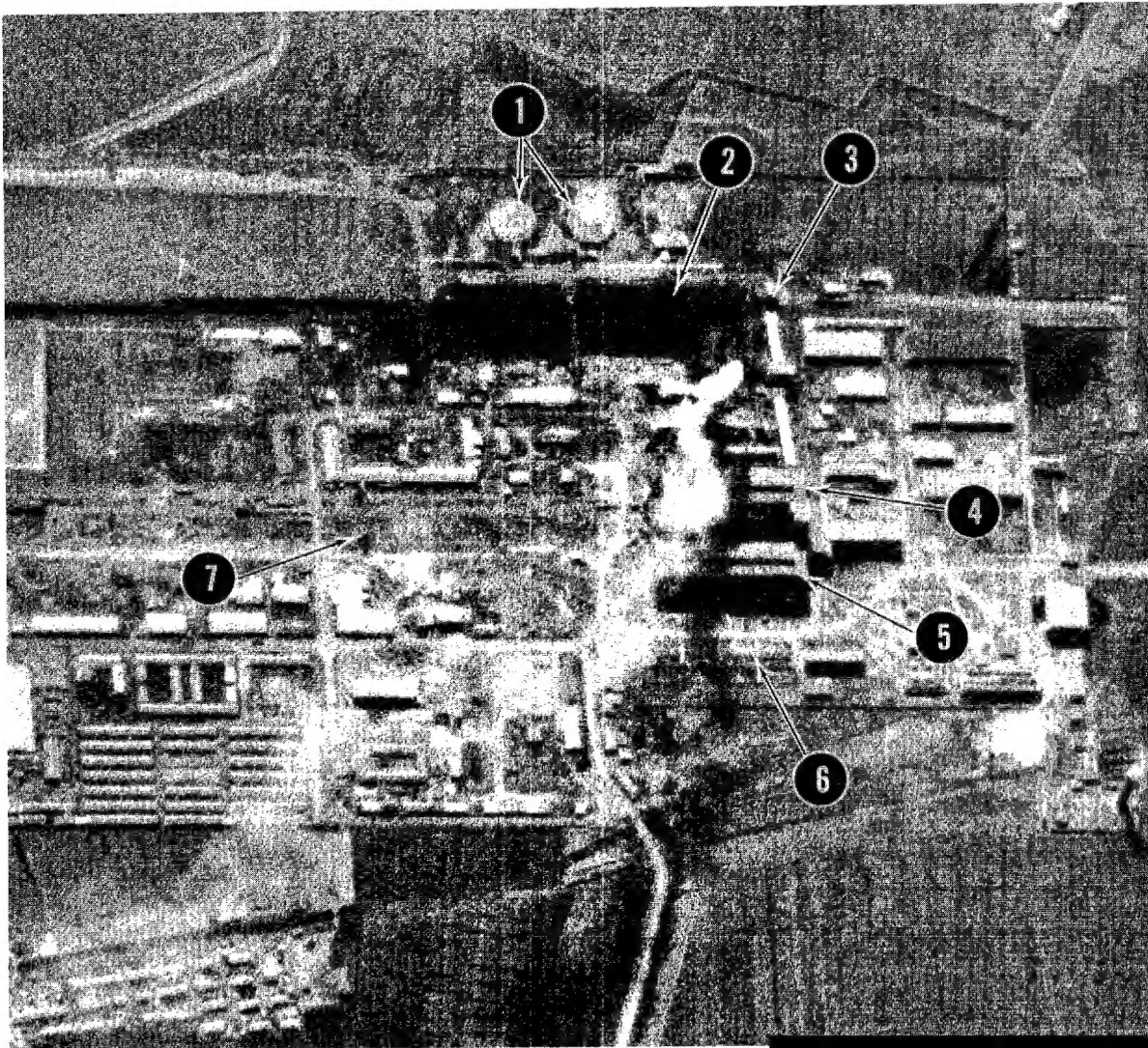


FIGURE 3. CHUN-LIANG-CHENG THERMAL POWER PLANT, CHINA.

25X1D

Key to Annotations		
Item No.	Description	Measurements (ft)
1	Probable POL tanks	80 (diam)
2	Coal storage area	--
3	Coal handling/processing facility	--
4	Boilerhouse	275 x 120
5	Generator hall	275 x 90
6	Switching yard	--
7	Mobile crane	--

INSTALLATION OR ACTIVITY NAME		COUNTRY
Chun-liang-cheng Thermal Power Plant		CH
25X1A UTM COORDINATES	GEOGRAPHIC COORDINATES	
50SNU225355	39-03-05N 117-24-35E	
MAP REFERENCE		
USATC, Series 200, Sheet M0381-6HL, 4th ed. Mar 70. Scale 1:200,000		
(SECRET/No Foreign Dissem)		
LATEST IMAGERY USED		NEGATION DATE (if required)
25X1D		NA

BASIC DESCRIPTION

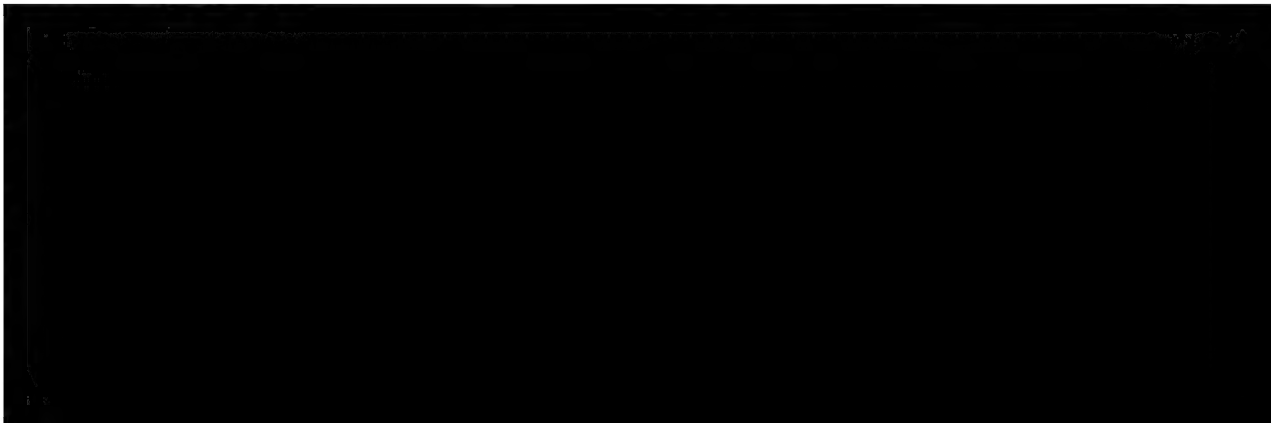
Chun-liang-cheng Thermal Power Plant is located approximately 6 nm south-east of Tien-ching. It is road and rail served.

On photography in [REDACTED] the plant consisted of a boilerhouse, a generator hall, a stack, a switching yard, a coal handling/processing facility, a coal storage area, a traveling crane, and two partially buried probable POL storage tanks. The boilerhouse probably contains four boilers (see Figure 3).

In [REDACTED] the boilerhouse, generator hall, stack, coal handling/processing facility, and switching yard appeared complete. In [REDACTED] coal was stockpiled at the plant. The partially buried probable POL tanks were first discernible on photography of [REDACTED]

The plant was operating in [REDACTED] and on all subsequent coverages through [REDACTED] as indicated by smoke coming from the stack.

Imagery References



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INSTALLATION OR ACTIVITY NAME		COUNTRY
Mi-yun Hydro Power Plant and Dam No. 1		CH
25X1A UTM COORDINATES	GEOGRAPHIC COORDINATES	
50TMK857808	40-28-55N 116-49-50E	
MAP REFERENCE		
USATC, Series 200, Sheet M0289-22HL, 3rd ed, Jul 70, Scale 1:200,000 (SECRET/No Foreign Dissem)		
LATEST IMAGERY USED		NEGATION DATE (If required)
		NA

BASIC DESCRIPTION

25X1D No changes have been observed at Mi-yun Hydro Power Plant and Dam No. 1 since [REDACTED] the date of the latest photography used in the previous report.

25X1D On the latest coverage in [REDACTED] no turbulence was observed in the tailrace to indicate that the plant was operating.

Imagery Reference



Next 3 Page(s) In Document Exempt

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